



Name: _____
 Mr. Tiénou-Gustafson, Mr. Bielmeier
 Geometry, Period _____
 Due Date: Tue, 23 Sep 2014

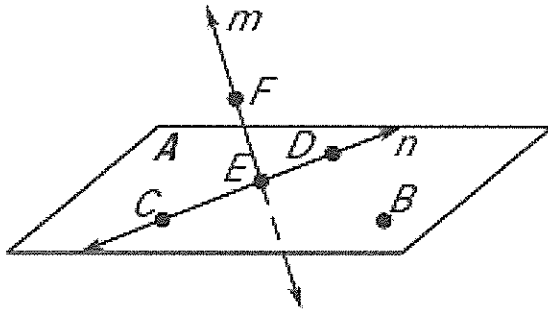
HW20_QuizReview

**Geometry
Homework**

Form A

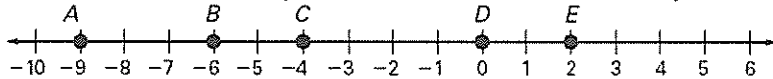
Quiz Review! Quiz tomorrow will cover points, lines, planes, collinear, coplanar, and absolute value.

1) Use the figure below to answer the questions at the right.



- a) Give 2 other names for line \overleftrightarrow{EF} _____
 b) Give 2 names for plane A. Plane CEB; _____
 c) Name 3 points on plane A that are collinear. \overleftrightarrow{CE} ; \overleftrightarrow{ED} ; _____
 c) Name 3 points off plane A that are collinear. _____
 d) Name 4 points that are coplanar. _____
 e) Name a point that is not coplanar with plane A. _____
 f) Name a point that is not collinear with line n. _____

2) Use the number line below to answer the questions that follow. Show how to find your answer using absolute value. You may use another method to check your work.



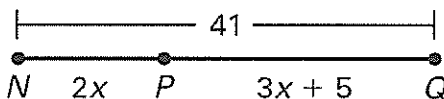
a) How much longer is AD than BC?

$$|AD| = |-9 - 0| = 9$$

$$|BC| = |-6 - (-4)| = 2$$

b) How much longer is EA than CA?

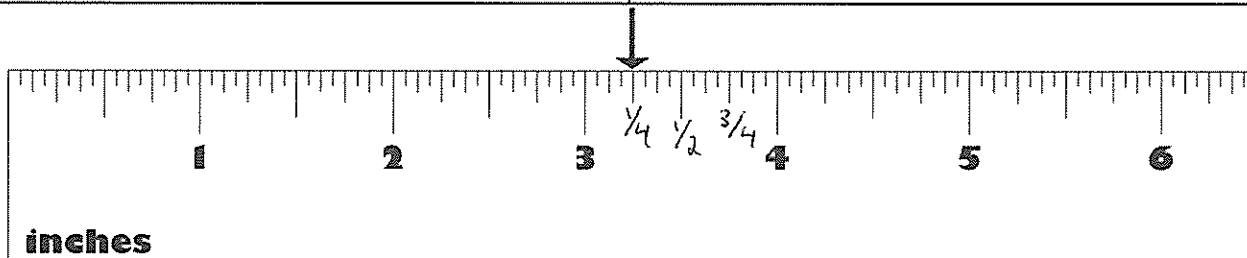
3) Find PQ.



$$2x + 3x + 5 = 41$$

$$5x + 5 = 41$$

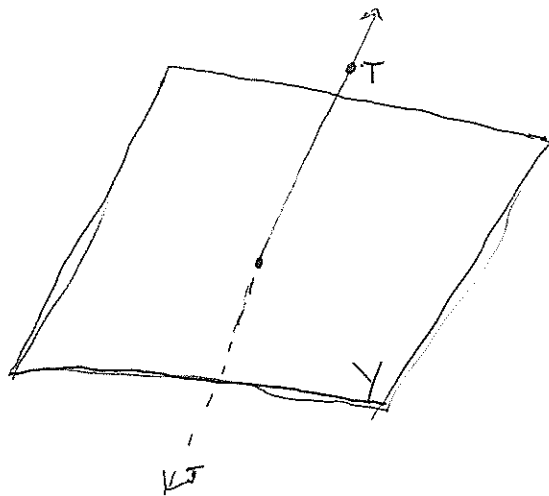
4) A number line has the following points: point M at -13, point N at 6, point K at 1, and point H at -2. What is the difference in length between MN and KH?



5) What is the measurement indicated in the ruler above? _____

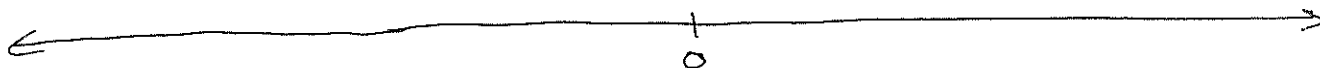
6) In the space provided, draw:

- plane Y
- line h lying on plane Y
- three collinear points on line h : P , Q , R
- one non-collinear point S , on plane Y
- point T that is non-coplanar with plane P , Q , R
- line j that is not on plane Y , and includes point T .
- point U that is the intersection of lines h and j .



7) On a number line, point L is located at 12, point M is located at -10, and point N is located at -20.

a. Draw a number line.



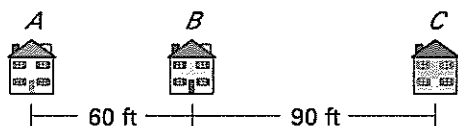
b. Use **absolute value** to find the length of segment \overline{LM}

$$|LM| = |L - M|$$

c. Use **absolute value** to find the length of segment \overline{MN}

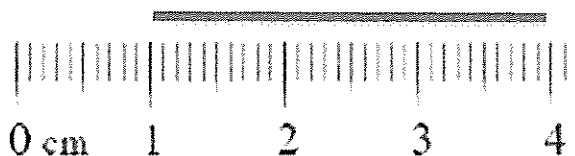
d. How much longer is segment \overline{LM} than \overline{MN} ?

8) The diagram shows three houses on a street. Find the distance from House A to House C.



- 30 ft
- 60 ft
- 90 ft
- 120 ft
- 150 ft

9) Use the ruler below to find the length of the line segment below (ruler is NOT to scale).



- 1.0 cm
- 2.0 cm
- 2.5 cm
- 3.0 cm
- 4.0 cm

10) Draw a line segment that is $2\frac{3}{4}$ of an inch long:

11) Draw a line segment that is $3\frac{5}{8}$ of an inch long.